

ABSTRACT

Apparatus is provided for separating non-magnetic mineral values from a source containing magnetic material and non magnetic material. The apparatus includes first and second conveyers in overlying relation which counter-rotate relative to one another. One of the conveyers includes a magnetic assembly which cooperates with paddles on the upper conveyer to progressively isolate values from magnetic material. Multiple stages are provided for intermittent magnetic interactions such that the non-magnetic materials are effectively isolated from the magnetic materials.